

\* FINISH THESE SURFACES ANSI 250 FINISH  
IF 'Y' DIM. IS GREATER THAN 2".

STATE PROJECT NUMBER

### TABLE OF FILLET WELD SIZES

‡ EXCEPT THAT WELD SIZE SHALL NOT EXCEED THICKNESS OF THINNER PART JOINED.

THICKNESS OF THICKER PART JOINED	MIN. SIZE OF FILLET WELD
TO 1/2" INCLUSIVE	3/16"
OVER 1/2" TO 3/4"	1/4"
OVER 3/4" TO 1 1/2"	5/16"
OVER 1 1/2" TO 2 1/4"	3/8"
OVER 2 1/4" TO 6"	1/2"

## BEARING NOTES

ALL BEARINGS ARE SYMMETRICAL ABOUT  $\mathcal{C}$  OF GIRDER  
AND  $\mathcal{C}$  OF BEARING.

ALL STRUCTURAL STEEL BEARING PLATES SHALL BE  
FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH  
AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT  
AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE  
FLAME CUTS.

ALL FINISHED SURFACES SHALL BE MACHINE  
FINISHED BY AN AUTOMATIC PROCESS.

LOCATE ANCHOR BOLTS AS INDICATED FOR PLATE "D".  
SEE TABLE FOR SIZE. PROJECT ANCHOR BOLTS "D" PLATE  
THICKNESS +2 1/4" ABOVE TOP OF CONCRETE.

ANCHOR BOLTS SHALL BE THREADED 3". PROVIDE ONE  
STANDARD WROUGHT WASHER AND ONE HEXNUT PER BOLT.

FOR UNPAINTED STRUCTURES THE UPPER 6 INCHES OF THE ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED AS REQUIRED BY ASTM DESIGNATION A153, CLASS C OR A164, TYPE GS.

CHAMFER TOP OF PINTLES  $\frac{1}{8}$ ". DRILL HOLES FOR PINTLES IN ALL "D" PLATES FOR DRIVING FIT.

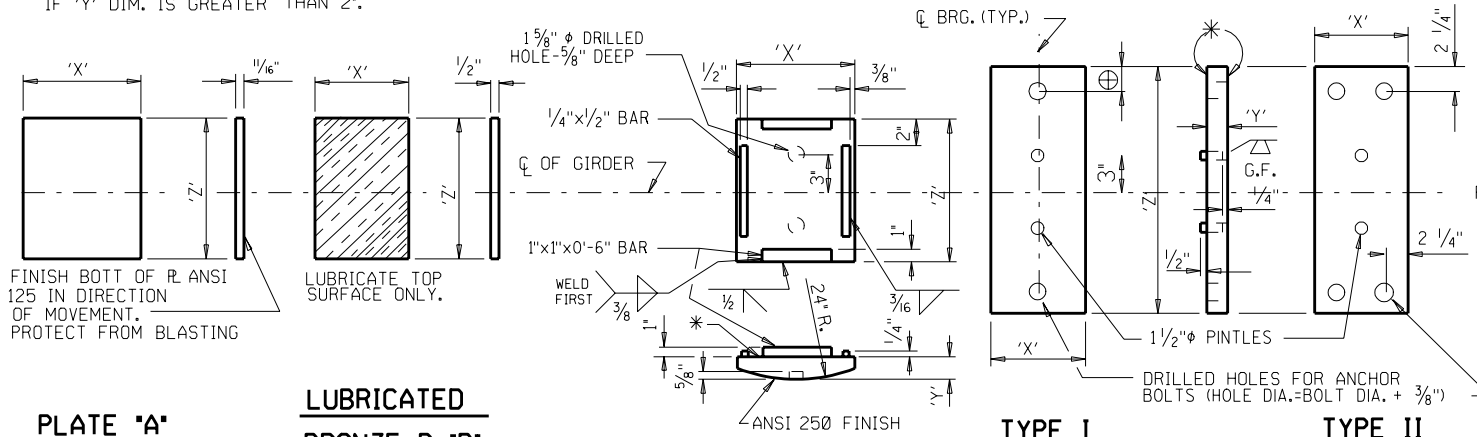
ALL MATERIAL FOR BEARING INCLUDING SHIMS BUT EXCLUDING ANCHOR BOLTS, PLATE "A", PINTLES, NUTS, WASHERS AND PINS SHALL CONFORM TO A.S.T.M. A709 GRADE 50W.

ALL ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO A.S.T.M. A709 GRADE 36 OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

STEEL PINTLES SHALL CONFORM TO ASTM A449 OR MATERIAL OF EQUIVALENT YIELD STRENGTH AND ELONGATION.

ALL MATERIAL IN BEARINGS, EXCLUDING BRONZE PLATES AND BEARING PADS SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STRUCTURAL STEEL HS". PROVIDE 1/8" THICK BEARING PAD SAME SIZE AS PLATE "D" FOR EACH BEARING.

FOR REPLACEMENT BEARINGS, ANCHOR BOLTS SHALL BE 1/2"φ X 3'-0" LONG AND FULLY THREADED. THESE ANCHOR BOLTS SHALL BE PAID FOR AS "MASONRY ANCHORS TYPE S 1/2-INCH" AND BE EPOXY ANCHORED. SEE SPECIAL PROVISIONS.

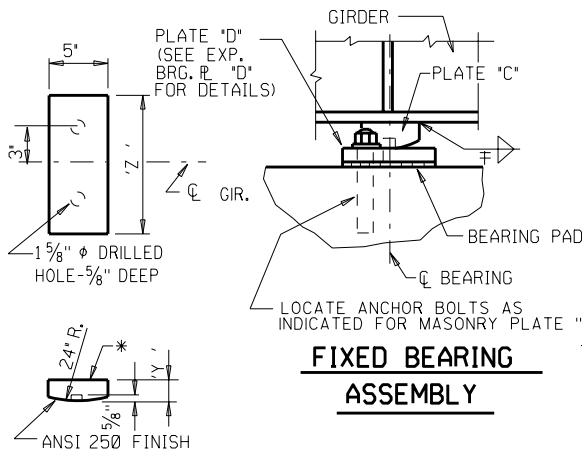


## EXPANSION BEARING ASSEMBLY

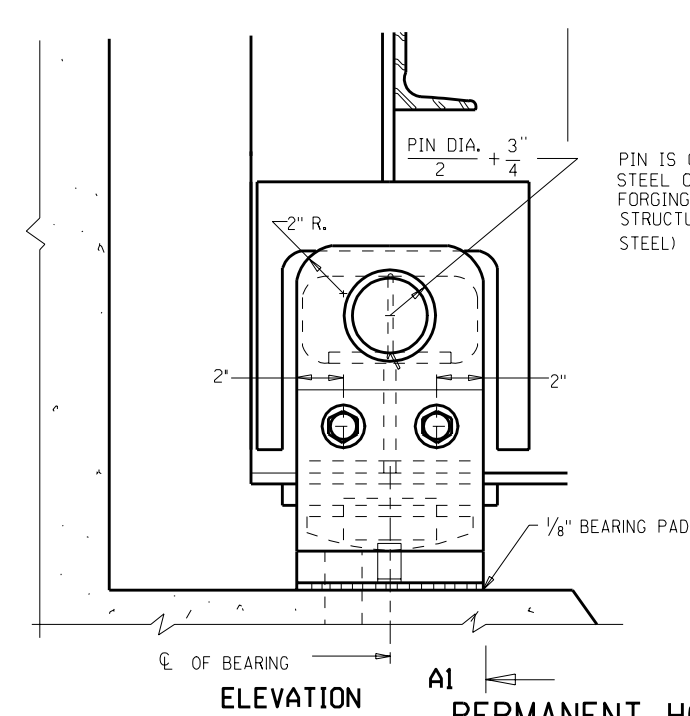
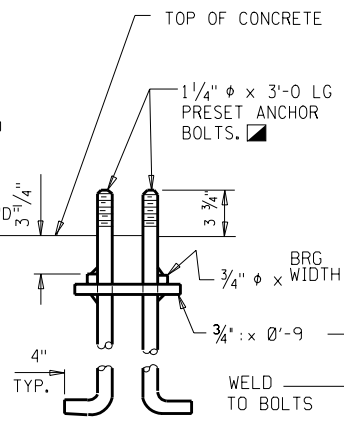
2" WHEN 1 1/4"  $\phi$  ANCHOR BOLTS ARE USED AND 2 1/4" WHEN 1 1/2"  $\phi$  ANCHOR BOLTS ARE USED.

[illegible]

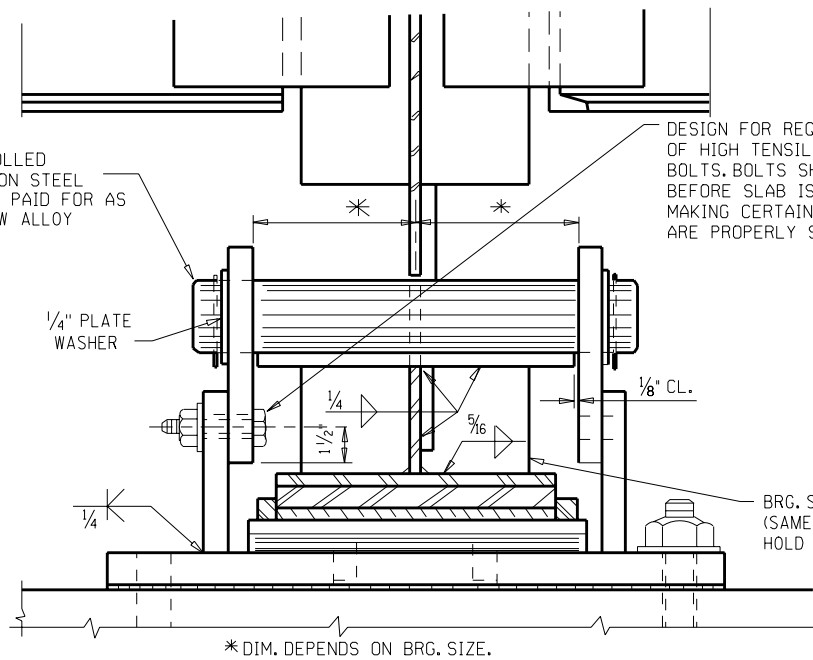
PLATE "C"  
EXPANSION BEARING



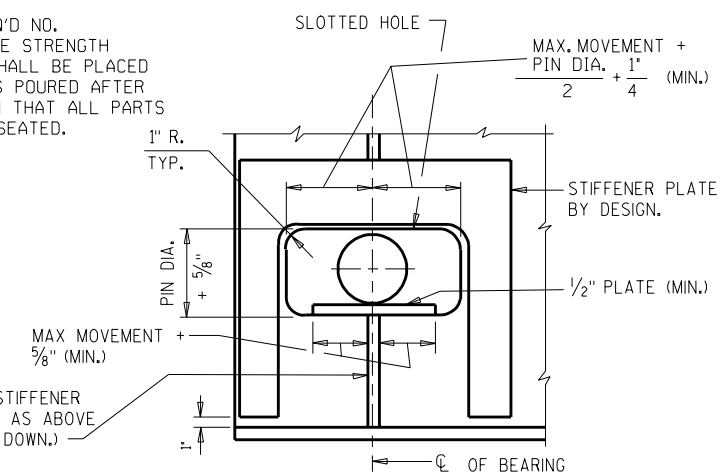
### ANCHOR BOLT DETAIL



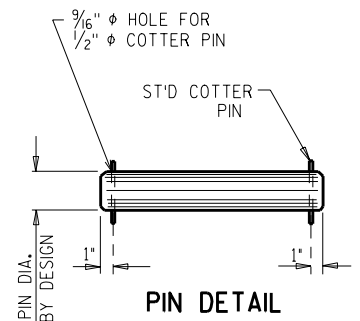
PERMANENT HOLD DOWN DEVICE



## SECTION A1



GIRDER DETAIL



## PIN DETAIL

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION <b>STRUCTURES DESIGN SECTION</b>			
<b>STRUCTURE</b>			
		DRAWN BY	PLANS CK'D.
<b>BEARING DETAILS</b>		SHEET	